CSCI 5408

DATA MANAGEMENT AND WAREHOUSING

LAB - 7

Banner ID: B00984406

GitLab Assignment Link: <https://git.cs.dal.ca/jems/csci5408_s24_b00984406_jems_patel.git>

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# **Step 1: Creating account on IBM**

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Figure 1.1: Create an account in the IBM

# **Step 2: Uploading the csv files on IBM Cognos**

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Figure 1.2: Uploading all the files that are given

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Figure 1.3: Successfully Upload all the files that are given.

# **Step 3: Identifying the relationship between the tables**

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Figure 1.4: Creating a new data model

Creating relationship between olist\_orders\_dataset and oslist\_order\_payments\_dataset tables.

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Figure 1.5: Create relationship between the orders and payments

Creating relationship between olist\_orders\_dataset and oslist\_order\_reviews\_dataset tables.

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Figure 1.6: Create relationship between the orders and reviews

Creating relationship between olist\_orders\_dataset and oslist\_order\_items\_dataset tables.

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Figure 1.7: Create relationship between the orders and items

# **Step 4: Generate the star schema**

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Figure 1.8: Relationship diagram between the tables

# **Step 5: Visulization**

## Order\_id VS order\_status

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Figure 1.9: Bar Graph for the order\_status and order\_id

Name of Visualization: Bar

Fields: order\_status vs order\_id

Description : There are 96478 orders that have the status as the delivered which is the most frequently occurring category.

## Seller\_id VS seller\_city

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Figure 1.10: Bar Graph for the seller\_city and seller\_id

Name of Visualization: Bar

Fields: seller\_city vs seller\_id

Description: There are around 650 plus seller are from the sao vicente which is the most frequent in this category.